

Williams & Wilkins announces

New Books on

PARASITOLOGY

Textbook of Medical Parasitology

The purpose of this book is to provide a clinical text and laboratory guide that can be of practical use to medical students as well as to physicians and medical technologists.

The book is arranged according to the areas of the body affected by parasitism in order to best serve the clinical audience. Concerned with the patient's clinical picture, Dr Najarian discusses each infection, bite, or sting in relation to the life cycle of the organism, the means of diagnosis and treatment, the post-treatment advice and prevention of future infection. Selected references are suggested for further reading.

CONTENTS (by section): Preface. Integumentary parasites and venomous animals. Genito-urinary parasites. Tissue parasites. Vascular parasites. Diagnosis and treatment. Index.

By Haig H. Najarian, Ph.D., Associate Professor of Biology, University of Maine in Portland; Formerly Consultant in Parasitic Diseases, World Health Organization; Assistant Professor of Microbiology, The University of Texas Medical Branch.

1967 167 pp. 57 figs. \$7.25

Distributed in the United Kingdom by E. & S. Livingstone, Ltd., 15-17 Teviot Place, Edinburgh.

Blacklock and Southwell's Guide to Human Parasitology, 8th ed.

Now in its eighth edition, this guide is in great demand by medical practitioners. It is written for the physician who must occasionally diagnose a disease caused by human parasites. Emphasis is given to pathogenic organisms and descriptions of the characteristics relevant to immediate diagnosis. The concise presentation is enhanced by the excellent illustrations.

Revised by T. H. Davey, O.B.E., M.D., Emeritus Professor of Tropical Hygiene, Liverpool School of Tropical Medicine, The University of Liverpool; Director of the Sir Alfred Jones Laboratory, Freetown, Sierra Leone, West Africa.

1966 231 pp. 120 illus. \$9.75



THE WILLIAMS & WILKINS COMPANY

428 E. Preston Street
Baltimore, Maryland 21202

Advertising rates and data
may be obtained from

Mr D. J. French
Journal Sales Promotion
Cambridge University Press
Bentley House
P.O. Box 92
200 Euston Road
London, N.W.1, England

or

Miss Gretta Goldenman
32 East 57th Street
New York, N.Y. 10022
U.S.A.

EDWARD GURR, LTD.

MICHROME STAINS

Dyes for scientific and technological purposes:

Methyl Green	May-Grünwald	Leishman
Aquamount	Giemsa Stain	Optoil
Celloidin	Janus Green B	Sudan Black
*Chromosome Red	Laktoseal	*Trifalgic Acid
Fluorolil	Lipid Crimson	Waterwax
Fluormount	Nile Blue	Wright Stain
Thionine	Lacmoid	Pyronine Y etc.

A New and Unique DIAGNOSTIC REAGENT:

***FALG STAIN** (B. T. Squires' modification), for indicating **Protein-malnutrition**; **General state of health** in Man and Animals; **Malingering**, etc.

***RHODANILE BLUE**: an entirely new kind of basic polychrome dye with many uses.

*Information leaflets and catalogue on request

EDWARD GURR, LTD.

42 Upper Richmond Road West
LONDON, S.W.14

Cables: Micromlabs, London

Publications issued by

COMMONWEALTH INSTITUTE OF ENTOMOLOGY
56 Queen's Gate, London, S.W.7

BULLETIN OF ENTOMOLOGICAL RESEARCH

Published quarterly and containing original articles on economic entomology. *Post free.*
Annual subscription (payable in advance) 150s. od.
Prices of back parts and volumes on application.

REVIEW OF APPLIED ENTOMOLOGY

Consisting of abstracts or reviews of current literature on economic entomology throughout the world. Published monthly in two series:

Series "A" dealing with insect and other arthropod pests of cultivated plants, forest trees and stored products of animal and vegetable origin.

Series "B" dealing with insects, ticks, etc. conveying disease or otherwise injurious to man and animals. *Post free.*

Series "A" Series "B"

Annual subscription (payable in advance) 180s. od. 80s. od.

Prices of back parts and volumes on application.

ZOOLOGICAL RECORD, part INSECTA

Published annually and containing as complete a record as possible of the literature of the previous year, chiefly from the systematic standpoint.

Annual subscription 130s. od. *Post free.*

Prices of back volumes on application.

NOTES FOR CONTRIBUTORS

CONTRIBUTIONS will be welcomed from scientists of all nationalities, but must be written in English. Papers should be sent to the Editor, Dr P. Tate, The Molteno Institute, Downing Street, Cambridge.

GENERAL. Submission of a paper will be taken to imply that it is unpublished and is not being considered for publication elsewhere. Papers published in *Parasitology* may not be reprinted or published in translation without permission from the Editorial Board. Papers should be as concise as clarity permits, and illustrations kept as few as possible. Attention to the following instructions will assist rapid publication:

TYPESCRIPTS. Papers should be typewritten with double spacing, on one side only of quarto paper, leaving a margin of about 4 cm. on the left-hand side of each sheet. Sheets should be numbered consecutively. Heavily corrected typescripts may have to be returned to the author for retyping. Papers should state the name of the author and the address to which proofs are to be sent. The address of the laboratory at which the work was carried out will be printed with the authors' names at the head of the paper. A short title, not exceeding 44 letters, should be supplied for running headlines.

The general arrangement of the paper should be as follows: Introduction; Methods; Results; Discussion; Summary of results; References. Tables, explanations of text-figures or plates, and keys to the abbreviations used on figures should be on separate sheets (see below).

PLATES should only be included where they are absolutely essential, as in the reproduction of photomicrographs and similar illustrations demanding very fine detail. Plates are expensive and authors may be required to bear part of the cost if an unduly large number is required. Photographs should be sharp glossy prints, trimmed and mounted on white card and grouped and numbered as they are required to appear in print (oversea contributors may prefer to submit unmounted prints with a sketch to indicate the proposed grouping, in order to reduce postage costs). Please remember that the area of a group cannot exceed 20 by 12.5 cm., after reduction (if any). Lettering is best indicated on an overlay or separate sketch.

TEXT FIGURES should not be more than about twice the size of the finished block, and the thickness of lines and size of points, stipples, etc. determined accordingly. The maximum size of any one group of figures, after reduction, is 20 by 12.5 cm. They must be drawn in Indian ink on white Bristol Board, heavy drawing paper, tracing paper or tracing linen; graph paper ruled in pale blue (but not other colours) is also acceptable. Explanatory lettering should be lightly inserted in blue pencil, with tally lines showing the position of the feature to which it refers, so that the printer may put in the finished lettering. Properly prepared scraperboard drawings may be suitable for reproduction as line drawings, but drawings with gradations of shading (e.g. washdrawings) are not. Please try to avoid creasing or folding illustrations. Legends to illustrations must be given on a separate sheet of paper, but scales of magnification are preferably given alongside the illustrations. Each illustration must have the name of the author and figure number pencilled on the back. Plates and

diagrams should be numbered separately and their approximate positions indicated in the margin of the typescript. It is very convenient if photographs of illustrations are sent with the papers in addition to the original figures; they are essential when the originals are very large, so that they may be sent through the post to referees.

TABLES should be kept to a minimum and the duplication of information in tables and graphs avoided. They should be typed on separate sheets of paper and their approximate positions indicated in the margin of the typescript. Each table should be numbered and be designed to be printed in the normal orientation of the text with the data so grouped as to make the use of rules unnecessary, whenever possible.

NOMENCLATURE. Authors should follow the *International Rules of Nomenclature* in the names of organisms. When new names are introduced the recommendations of the *International Code of Zoological Nomenclature*, 1964, should be strictly adhered to, especially with regard to the designation of types and statements as to where such types are deposited.

REFERENCES should be given only when cited in the text and should be listed in alphabetical order at the end of the paper, in the following form:

Surname of author(s), initials; year of publication; title of paper; title of journal (abbreviated according to the *World List of Scientific Periodicals*, 1963-5 ed., and underlined); volume number; first and last page numbers of the work cited. When books are listed, the title of the book should be underlined and it should be followed by the town of publication and the name of the publisher.

Where there is more than one reference to a particular author or group of authors with the same date, references should be distinguished by letters placed after the date, the letter *a* being used for the first reference cited and so on.

PROOFS sent to authors are already in page form and only essential corrections should be made on them. Excessive alterations, other than corrections of printers' errors, may be disallowed or charged to the author; they are in any case liable to delay publication. Correction should be made using the symbols in British Standard 1219: 1958, or its shortened version B.S. 1219C: 1958 (British Standards Institution, 2 Park Street, London, W. 1). After correction, the printers' marked proof should be returned to the Editor.

OFFPRINTS. Fifty offprints of each paper are provided free of charge. Additional offprints may be ordered on the form sent out with proofs, provided this is returned within seven days of receipt.

MORE DETAILED INFORMATION on the preparation of manuscripts for publication is to be found in the following:

NUTTALL, G. H. F. (1940). Notes on the Preparation of Papers for Publication in the *Journal of Hygiene* and in *Parasitology*, *Parasitology* 32, 1-62 and *J. Hyg.* 40, 1-62. (Now out of print and also out of date in some respects.)

The Journal of Physiology (1960). Suggestions to Authors 150, 1-33, Cambridge University Press. THE ROYAL SOCIETY published a second edition of *General Notes on the Preparation of Scientific Papers* in 1965.

PARASITOLOGY

Volume 58, Part 1 February 1968

CONTENTS

	PAGE
THREADGOLD, L. T. The tegument and associated structures of <i>Haplometra cylindracea</i> . (With 2 Plates and 1 Figure in the Text)	1
KRISHNA PILLAI, N. Additions to the copepod parasites of South Indian fishes. (With 12 Figures in the Text)	9
METRICK, D. F. Studies on the protein metabolism of cestodes. 2. Effect of free dietary amino acid supplements on the growth of <i>Hymenolepis diminuta</i>	37
HAYNES, W. D. G. and TAYLOR, ANGELA E. R. Studies on the absorption of amino acids by larval tapeworms (Cyclophyllidea: <i>Taenia crassiceps</i>). (With 10 Figures in the Text)	47
WILES, MICHAEL. The occurrence of <i>Diplozoon paradoxum</i> Nordmann, 1832 (Trematoda: Monogenea) in certain waters of northern England and its distribution on the gills of certain Cyprinidae. (With 1 Figure in the Text)	61
MAWSON, PATRICIA M. <i>Inglisonema typos</i> gen.nov., sp.nov., (Nematoda: Seuratoidea: Inglisonematinae, subfam. nov.) from an Australian bird. (With 8 Figures in the Text)	71
MAWSON, PATRICIA M. Two species of Nematoda (Spirurida: Spiruridae) from Australian dasyurids. (With 11 Figures in the Text)	75
WILSON, R. A. The hatching mechanism of the egg of <i>Fasciola hepatica</i> L. (With 1 Plate and 1 Figure in the Text)	79
FERNANDO, S. T. Immunological response of rabbits to <i>Toxocara canis</i> infection. (With 1 Plate and 5 Figures in the Text)	91
WILLIAMS, H. HARFORD. <i>Acanthobothrium quadripartitum</i> sp.nov. (Cestoda: Tetraphyllidea) from <i>Raja naevus</i> in the North Sea and English Channel. (With 1 Plate and 6 Figures in the Text)	105
CLEGG, J. A. and SMITHERS, S. R. Death of schistosome cercariae during penetration of the skin. II. Penetration of mammalian skin by <i>Schistosoma mansoni</i> . (With 2 Plates and 1 Figure in the Text)	111
DOW, C., ROSS, J. G. and TODD, J. R. The histopathology of <i>Fasciola hepatica</i> infections in sheep. (With 1 Plate)	129
WARREN, E. W. Vitamin requirements of the <i>Coccidia</i> of the chicken. (With 4 Figures in the Text)	137
KEARN, G. C. The development of the adhesive organs of some diplectanid, tetraonchid and dactylogyrid gill parasites (Monogenea). (With 17 Figures in the Text)	149
ARTHUR, DON R. The immature stages of <i>Ixodes tatei</i> Arthur (Ixodidae). (With 12 Figures in the Text)	165
PIKE, ALAN W. Observations on the life-cycle of <i>Psilotrema oligoon</i> (Linstow, 1887) Odhner, 1913, and on the larval stages of two other psilostome trematodes. (With 6 Figures in the Text)	171
SPRENT, J. F. A. Notes on <i>Ascaris</i> and <i>Toxascaris</i> , with a definition of <i>Baylisascaris</i> gen.nov. (With 1 Plate)	185
RAI, S. L. and CLEGG, J. A. Death of schistosome cercariae during penetration of the skin. I. Penetration of bird skin by <i>Austroilharzia terrigalensis</i> . (With 1 Plate and 1 Figure in the Text)	199
RYLEY, J. F. Chick embryo infections for the evaluation of anticoccidial drugs	215
HOGARTH-SCOTT, R. S. Naturally occurring antibodies to the cuticle of nematodes. (With 1 Plate and 1 Figure in the Text)	221
CROMPTON, D. W. T. and WHITFIELD, P. J. A hypothesis to account for the anterior migrations of adult <i>Hymenolepis diminuta</i> (Cestoda) and <i>Moniliformis dubius</i> (Acanthocephala) in the intestine of rats. (With 3 Figures in the Text)	227
CROMPTON, D. W. T. and WHITFIELD, P. J. The course of infection and egg production of <i>Polymorphus minutus</i> (Acanthocephala) in domestic ducks. (With 10 Figures in the Text)	231